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of

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**NORTH CHARLESTON, S. C.**

# "ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED  
CONTINUOUSLY SINCE THAT DATE

A. S. ROSSITER, EDITOR

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16th FLOOR INQUIRER BUILDING

PHILADELPHIA, PENNSYLVANIA

C. J. STOVER, Proprietor

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March 1939

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## BENJAMIN FRANKLIN

### And His Asbestos Purse

The story of Benjamin Franklin's Asbestos Purse brings out an interesting point in Asbestos history.

The story is known to many of our readers. It is told by Franklin himself in his autobiography, and retold in the recently published biography of Franklin by Carl Van Doren. It was published in our February 1923 issue (page 34).

For the benefit of those who have not read it, however, and because of its historic value so far as asbestos is concerned, it will bear repeating.

One of the earliest surviving letters of Franklin was that written to Sir Hans Sloane on June 2nd, 1725, in which was mentioned asbestos and the asbestos purse. The letter reads:

Sir: Having lately been in the northern parts of America, I have brought from thence a purse made of the stone asbestos, a piece of this stone, and a piece of wood, the pithy part of which is of the same nature and called by the inhabitants Salamander Cotton. As you are noted to be a lover of curiosities, I have informed you of these, and if you have any inclination to purchase them or see them, let me know your pleasure by a line directed to me at the Golden Fan in Little Britain, and I will wait upon you with them."

Franklin, in his autobiography refers to the purse, the paragraph reading:

I had brought some curiosities with me from America, the principal of which was a purse made of the Asbestos, which fire only purifies. Sir Hans Sloane hearing of it, called upon me and invited me to his home in Bloomsbury Square, where after showing me everything that was curious, he prevailed upon me to add this piece to his collection for which he paid me handsomely.

By the "northern parts of America" we can easily persuade ourselves that Franklin meant Canada, but it is regrettable that he did not tell how and from whom he acquired the specimen of asbestos and the purse.

But the Asbestos Industry should be more than grateful to Franklin for mentioning the purse in this letter to

## "ASBESTOS"

Sir Hans Sloane, and to the chance that led to preserving of this particular letter of Franklin's. The letter was written on June 2nd, 1725; Franklin had arrived in London (according to his autobiography) on December 24th, 1724, and, according to his own statement, he had brought the purse over with him, so that he had evidently acquired it at least a year earlier than the date of the letter mentioning it—in those days it took several months to traverse the Atlantic Ocean from America to England.

The earliest records of the Asbestos Industry indicate that asbestos was first "discovered" in America in 1860 in the Des Plantes River region of the Province of Quebec. (The Thetford and Coleraine deposits were not generally known, or commercially recognized until 1877 or later.)

Note therefore the significance of Franklin's letter and statement. While the Asbestos Industry claims that asbestos was first discovered in Canada in 1860, Franklin had obtained the purse and specimen of asbestos from the "northern parts of America" at least *136 years earlier*.

And recently there has been added to the Franklin purse story another chapter. Sir Hans Sloane, to whom Franklin sold the purse, was a distinguished naturalist and collector. Upon his death in January 1753 he bequeathed his books, manuscripts, prints, drawings, pictures, metals, coins, seals, cameos and other curiosities to the British nation, on condition that Parliament pay to his executors £20,000, a great deal less than the value of his collection. The bequest was accepted on those terms and went to form a collection which was opened to the public at Bloomsbury in 1759 as the British Museum.

It occurred to us that it would be extremely interesting to know whether this purse of Franklin's might still be in existence in the British Museum. We therefore wrote the British Museum, briefly outlining the story, and asked if it were possible to find out whether such an article was in their possession. Much to our delight, on February 18, 1939 we received a letter from the Department of Mineralogy of the British Museum, from which we quote:

Although I have not been able to find any mention of the asbestos purse in the Sloane manuscript catalogues available

## "ASBESTOS"

in this Museum, I think I could safely say that the specimen is in the Mineral collection. It is a small, closely plaited bag in a fairly good state of preservation, with a thread running thru the top. All the information we had concerning this specimen was that it was in the Museum before 1837 and we are indeed grateful to you for bringing its interesting associations to our notice.

There is no doubt in our minds but that this bag is the purse sold to Sir Hans Sloane by Benjamin Franklin. It was plaited—making it the first known asbestos textile in America.

The British Museum could find no trace of the other specimens—the piece of asbestos or the piece of wood "the pithy part of which was called Salamander Cotton."

## AND NOW - ASBESTOS WIGS

Asbestos cloth, as the base for a wig, seems to be a rather unique use as well as somewhat surprising.

Of course the motive is fire protection—and, perhaps you may have guessed it—the wig is to be used in the shooting of a motion picture.

A prominent movie star—Fred Astaire, no less—is to use the wig in a picture now being prepared at Hollywood, which is based on the lives of Irene and Vernon Castle. The title as yet is uncertain, altho it has been tentatively entitled "The Castles".

It appears that a comedy sequence in the picture requires that Fred Astaire's hair catch fire as he reclines in a barber's chair. For this amusing scene the chief coiffeur stylist for Hollywood's movie queens has had prepared a wig with a heavy asbestos cloth base, and has himself tried it out with great success. Several of the asbestos cloth bases will be made so that in case of damage during the "shooting" of the picture no delay will occur.

The experiment demonstrated that Astaire need have no worries about burning his hair or scalp when the episode is shot.

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A new finish makes possible new uses  
for flat sheets of Asbestos-Cement

A method for metalizing flat sheets of asbestos-cement has recently been developed,<sup>1</sup> this resulting in a material which has been found most attractive for decorative panels and friezes in hotels, office buildings, stores, churches, theatres.

From an asbestos point of view, perhaps the most interesting feature of these sheets is that the longer the asbestos fibres found in the asbestos-cement sheet, the more attractive is the finished metalized panel.

It is claimed also that if a very hard composition sheet is used the designs are very clearcut, but if the sheet is of somewhat softer composition, a more artistic effect is produced.



*Note the soft,  
artistic effect  
produced by  
the asbestos  
fibres*

The carving of the designs on the sheet is done mechanically and can be either in bas-relief or intaglio style. Almost any depth of carving can be used and it will be found that the rough bits of asbestos fibre which appear as a result of the carving process make an interesting background for the smooth surface of the design. The photograph shows this to some extent.

After the carving is finished, the sheet is ready for the metalizing finish. Any of the standard metals can be

<sup>1</sup> By Allen Hulbert of the All-Metals Application Corporation of New York City.

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applied. Color contrasts are obtained by the use of a combination of metals. Different tones of bronze are brought out by high lighting as is the case with aluminum, copper and tin. High carbon steel requires machining or grinding before achieving a mirror finish.

Work intended for outdoor use requires additional treatment to that intended for the interior. The finish desired governs the thickness of metal necessary, which may be controlled to within .001".

The finished product is said to be superior to cast metal in appearance as more flexible art work is possible without size limitation. Also that the metallized asbestos-cement sheet is lighter in weight, lower in cost and can be given a life equal to cast metal.

An exhibit of these metallized sheets can be seen at 44 W. 46th St., New York City.

## NATIONAL DEFENSE MATERIALS

### Asbestos Included under the head of Critical

Some weeks ago the U. S. Army and Navy Munitions Board of the United States listed in three classifications—Strategic, Critical and Essential—materials which they considered essential to the national defense.

Under the head of *Strategic* they placed 17 materials and defined strategic as those materials essential to the national defense for the supply of which in war, dependence must be placed in whole, or in part, on sources outside the continental limits of the United States, and for which strict conservation and distribution control measures will be necessary.

The second head, *Critical*, was defined as those materials essential to the national defense, the procurement problems of which in war, while difficult, are less serious than those of strategic materials because they can be either domestically produced or obtained in more adequate quantities or have a lesser degree of essentiality, and for which some degree of conservation and distribution control will

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K & M made the first asbestos-cement shingles produced in this country, and ever since has held a leading place in the field of asbestos-cement products.

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be necessary. Under this head asbestos is included as one of the 20 materials listed.

The third list, *Essential* materials neither strategic nor critical, included 35 materials and was defined as those essential to the national defense, for which no procurement problems in war are anticipated, but whose status is such as to require constant surveillance because future developments may necessitate reclassification as strategic or critical.

The American Institute of Mining and Metallurgical Engineers, we understand, is also, by referendum, making up a list of 45 vital commodities necessary in the event of a future war, and while the list has not yet been published so far as we know, asbestos, we believe, is to be included.

Those of us who remember the World War will recall the service performed by asbestos at that time, all the way from the insulation used on heating pipes, in the cantonments and in the ships which took the boys overseas to its use in the manufacture of munitions, and the asbestos mittens and gloves which actually got to the front and were used by machine gunners.

Yes, we agree that asbestos should be listed as one of the *critical* materials, should war be forced upon us.

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*South African Blue Crude*

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## LET'S GET BACK TO LAWS!

*Editorial By C. J. Stover*

Out of the welter of opinion being expressed in the news, over the air and out of the propaganda mills begins to emerge a ray of hope for business.

During the past few weeks it has been my privilege to talk with quite a number of highly successful men in many lines of endeavor and while they are all hopeful, nearly all of them seem seriously to doubt that those men elected and appointed to high office are really sympathetic to business, especially to "big" business.

There is appearing in Congress a definite resistance to business baiting especially by appointed executives whose rules and regulations have the effect of a Court Order unless and until overruled by a regular Court of Law.

It is perfectly true that wily lawyers have in the past succeeded in delaying action in the Courts so as to nullify or obstruct the intent of the law. But it would seem that such a condition should be corrected by amendment of the law and improvement of Court procedure rather than attempt its correction by setting up more and more Bureaus, Commissions and Departments whose rules become the Law.

Entirely too much politics and not enough *understanding* results in fear, uncertainty and reluctance to hazard.

Unless the rules are simply stated and their enforcement returned to the Courts much of this propaganda for "better business" will die aborning.

We are presumably a nation of Laws and not of men.

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Some of our readers may be interested in pamphlet R. I. 3426, "Some Tests of Acid-Resistant Pipe" recently issued by the U. S. Bureau of Mines. It is procurable free of charge by writing the Section of Publications, U. S. Bureau of Mines, Washington, D. C.

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You will never *find* time for anything. If you want time you must *make* it.

## MARKET CONDITIONS

### GENERAL BUSINESS

"Considered as a whole", says the National City Bank letter for March, "business evidently is in a period of marking time and minor adjustments. Business men are conservative, both in buying commodities and in planning for expansion or new projects. Nevertheless, the evidence of the markets and general testimony both indicate that sentiment is better than it was in January."

One significant statement made in this same letter, significant especially to the Asbestos Industry, whose products are so closely allied with the building industry, is "Some of the industries, especially those connected with the building industry, report improvement", and another—"building trade authorities agree that the construction volume this year should be the largest since 1929 or 1930". Read on page 16 of this issue, Mr. Thomas S. Holden's<sup>1</sup> comments on construction during 1938.

The automobile industry is also holding up fairly well; steel operations during the past month have averaged 54 to 55%; comparative weeks last year ran 29.3%; numerous other factors are encouraging and, we do not hesitate to say, some are quite discouraging.

All in all, however, the outlook for spring business and for the rest of the year, is most favorable.

### ASBESTOS - RAW MATERIAL

Imports of Raw Asbestos into the U. S. A. from Rhodesia and South Africa for the past two months have been exceptionally large. Canadian Mines show a very good profit from operations during the year 1938.

There is every indication of continued good demand and while the demand for spinning fibres in the U. S. A. has fallen off, prices still remain firm.

### ASBESTOS - MANUFACTURED GOODS

*Textiles.* The sentence immediately above serves as a basis for discussion of the textile situation. Volume is off, as it has been for the past several months, but how (in the face

<sup>1</sup> Vice Pres. F. W. Dodge Corporation.

## "ASBESTOS"

of firm prices on spinning fibres and generally higher costs on labor and other factors) prices on textiles are not better than they are, is a mystery which seems difficult to solve.

**Paper and Millboard.** Demand for paper is very light, but prices are firm at existing levels. On Millboard, volume is also light, with prices fairly stable.

**Insulation. High Pressure.** Volume continues to decline from the levels of some months ago altho the drop has been very gradual recently. Prices are firm.

**Insulation. Low Pressure.** Here volume is very light, which is not unusual at this season of the year, while prices, because of lack of demand are somewhat unsettled in some areas.

**Asbestos-Cement Products.** One comment on this market reads: "Due, to a large extent, to inclement weather, there has been very little activity in Asbestos shingles—either siding or roofing. However, from inquiries being received and the stimulated interest being shown in building, the prospects for spring look encouraging."

"Inquiries on other asbestos-cement products have increased somewhat, indicating that some industrial work will be done this spring which will bring added consumption of these materials".

We urge our readers to comment on the various markets in which they are interested. Identifying names are never published. The above comments have been received from executives closely in touch with the various markets covered.

## CURRENT RANGE OF PRICE on Canadian Crudes and Fibres

Per Ton (2000 lbs.) f.o.b. Mine

Group No. 1 (Crude No. 1)	.....	\$700.00 to \$750.00
Group No. 2 (Crude No. 2; Crude Run-of-Mine and Sundry <sup>1</sup> )	.....	150.00 to 350.00
Group No. 3 (Spinning or Textile Fibre)	.....	110.00 to 200.00
Group No. 4 (Shingle Fibre)	.....	57.00 to 78.50
Group No. 5 (Paper Fibre)	.....	40.00 to 45.00
Group No. 6 (Waste, Stucco or Plaster)	.....	30.00
Group No. 7 (Refuse or Shorts)	.....	12.00 to 25.00

<sup>1</sup> Crude Run-of-Mine refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and No. 2 Crude. Crudes Sundry refers to certain odd lots of off grade material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

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**Transvaal**

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## CONTRACTORS AND DISTRIBUTORS PAGE

### Building

The strong upturn in building activity which got under way during spring of 1938 has shown continued expansion since the opening of the new year. Contracts for private construction projects awarded in the 37 Eastern States during January recorded a 39 per cent gain over January of last year, according to F. W. Dodge Corporation. The January 1939 figure for private work amounted to \$103,757,000 as compared with \$74,630,000 for January 1938. During December, privately-owned construction totaled \$110,036,000.

In commenting about the January construction record, Mr. Thomas S. Holden, Vice-President of F. W. Dodge Corporation stated, "In the past, the building industry moved forward as private construction advanced. As early as February 1938, advance indications of increased private residential work began to appear. By May, privately owned small house construction ran ahead of the preceding year. In September, the total volume for all types of private construction was greater than the corresponding period of 1937. This upward trend continued to the end of 1938 and has expanded still further during January 1939".

With reference to publicly-owned construction, January contracts in the 37 states amounted to \$147,916,000 as compared with \$117,601,000 for January a year ago, representing a gain of 26 per cent. Not all P.W.A. projects were put into the Dodge contract figures for last year because in some instances only fractional portions of the entire projects were started, leaving the major portions to be put under contract later. Consequently there remains a considerable carry-over of public projects which should mature into contract award stage later this year.

The combined January total for both public and private construction contracts amounted to \$251,673,000, a 30 per cent increase over January 1938; this was the largest opening month's total for any year since 1930.

---

NEWSWEEK in its February 27th issue sums up the building situation as follows:

"The position of the residential-building industry at the start of 1939 was unique in at least three respects: (1) it was virtually the only durable-goods industry to report an increased volume for 1938 (the total building volume also gained, wing

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chiefly to public works); (2) it was the one "heavy goods" line for which observers almost unanimously forecast gains in 1939; and (3) despite the fact that it alone among such lines experienced uninterrupted increases after 1934, the industry even at the peak of 1938 activity was operating at only about half its pre-1930 clip".

All of this seems to portend better business in the Asbestos Industry, a large part of whose output is in the building material class.

## U. R. C. A. News

The United Roofing Contractors' Association celebrated its 52nd anniversary in convention at Washington, D. C. The Convention was devoted to a discussion of manufacturers' merchandising policies; of the increase in sale of asphalt roofing material by manufacturers as contrasted with an actual decrease by contractors; of selling of applied roofing by the aid of long term loans; and of compensation insurance.

On the eve of the convention the U.R.C.A. Board of Directors telegraphed a protest to Senator O'Mahoney, Chairman of the Congressional Committee Investigating Monopolies, the telegram stating that the "extortionate rates charged for Workmen's Compensation Insurance was indicative of monopolistic practice among insurance companies".

New Officers were elected, the new President being I. A. Langer of Milwaukee, Wis. The retiring President, Tom J. Daly became Chairman of the Board of Directors.

## Coming

Among the things planned this year of special interest to Contractors and Distributors are a Job Record Sheet, which has been tried and tested and found well worth adoption; another article on Compensation Insurance; several articles on unique installations of insulation or other asbestos products, and many brief items on various things—all this besides the general information statistics, news, etc., contained each month in "ASBESTOS." Don't miss a single issue.

**"Roofing" — Estimating, Applying, Repairing",** the 387 page book written by James McCawley, Secretary of the United Roofing Contractors Association, is a practical handbook describing the mechanics of shelter and the application of all kinds of roofing material.

It is a welcome addition to any roofer's library. The price is \$3.00, and orders should be sent to the author at 175 Fifth Avenue, New York City.

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# PRODUCTION STATISTICS

**Africa (Rhodesia)**

(Statistics by Rhodesia Chamber of Mines)

		December 1938	Tons	Value		
			(2000 lbs.)	£	s	d
<i>Bulawayo District</i>						
Nil Desperandum (Afr. Asb. Mng. Co., Ltd.)		719.75		8,147	9	8
Pangani (Pangani Tributors)		17.10		105	19	9
Shabanie (Rho. & Gen. Asb. Corp. Ltd.)		3,310.25		67,050	2	10
<i>Victoria District</i>						
D. S. O. (Mashaba Rho. Asb. Co. Ltd.) (mill and flue waste)		8.60		47	14	3
Gaths & King (Rho. & Gen. Asb. Corp. Ltd.)		801.30		17,007	14	0
Murie Asbestos (Mashaba Rho. Asb. Co. Ltd.)		10.50		159	7	6
Regina (Afr. Asb. Mng. Co. Ltd.)		35.15		643	8	0
		4,902.65		93,161	16	0
	<i>December 1937</i>	4,916.30		£69,016	4	0

**Africa (Union of South)**

(Statistics published by Dept. of Mines & Industries of U. of S. A.)

	November 1937	November 1938
	Tons (2000 lbs.)	Tons (2000 lbs.)
<i>Transvaal</i>		
Amosite	664.57	351.00
Blue	102.36	335.00
Chrysotile	1,474.60	71.00
<i>Cape</i>		
Blue	533.71	599.00
	2,775.24	1,356.00

**Canada**

Production December 1938	17,471 tons (2000 lbs.)
Production December 1937	29,693 tons (2000 lbs.)
	Year 1937 Year 1938
Crudes	3,844 short tons 2,911 short tons
Fibres	200,130 short tons 163,120 short tons
Shorts	205,839 short tons 123,789 short tons
	409,813 short tons 289,820 short tons

Yearly summaries will be given in the next (April) issue.

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CLEAN, well fiberized asbestos particularly well suited for the manufacture of the better types of:

BRAKE LINING

CLUTCH FACING

ROOFING PAINTS

SHINGLES

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"ASBESTOS"



# IMPORTS AND EXPORTS

## Imports into U. S. A.

(Figures published by U. S. Dept. of Commerce)

### Unmanufactured Asbestos Goods:

	Dec. 1937 Tons (2240 lbs.)	Dec. 1938 Tons (2240 lbs.)
Africa (Br. S.) .....	742	722 <sup>1</sup>
Canada .....	15,414	13,884
Cyprus .....	419	.....
Italy .....	3	101
U. S. S. R. (Russia) .....	1,535	.....
United Kingdom .....	1	.....
	18,114	14,707
	\$843,456	\$692,613

<sup>1</sup> Includes 14 tons marked as coming from the Gold Coast, Africa.

### Tabulation of Crudes and Fibres (by Grades):

Crude (Africa, Br. S.) .....	742	722
Crude (Canada) .....	211	182
Crude (Italy) .....	3	3
Crude (United Kingdom) .....	1	.....
Mill Fibre (Canada) .....	7,170	5,147
Lower Grades (Canada) .....	8,033	8,555
Lower Grades (Cyprus) .....	419	.....
Lower Grades (Italy) .....	.....	98
Lower Grades (Russia) .....	1,535	.....
	18,114	14,707

### Manufactured Asbestos Goods:

	Dec. 1937 Pounds	Dec. 1938 Pounds
Austria (Packing) .....	1,835	.....
Belgium (Shingles) .....	133,094	102,082
Canada (Packing) .....	.....	10
Canada (Woven Fabrics) .....	.....	16
France (Yarn) .....	74	.....
Germany (Packing) .....	70	2,997
United Kingdom (Yarn) .....	820	3,200
United Kingdom (Packing) .....	1,237	887
United Kingdom (Woven Fabrics) .....	2,627	.....
	139,757	109,192
Value .....	\$4,990	\$ 4,772

"ASBESTOS"

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# Parsons Slate and Asbestos Cutters

## *Pays for Itself on First Job*

Light Weight, Portable, Low Cost

Parsons Cutters for Roofers, Contractors,  
Carpenters, Mechanics.

Cuts to any width or length and all notches  
and angles.

Sturdy Construction - Simple Operation.  
Can be carried in Tool Kit and be used on  
Roof or Scaffold.



## PARSONS BROS. SLATE CO.

PEN ARGYL, PA.

*Write for Circular - Further Information - Price*

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## "ASBESTOS"

There were also imported into the United States during December 1938, \$339 worth of materials, not classified, from Canada.

### *Exports from U. S. A.*

*Exports of unmanufactured asbestos* for the month of December 1938 totalled 141 tons, valued at \$33,658; compared with 120 tons, valued at \$19,515 for December 1937.

### *Exports of Manufactured Asbestos Goods:*

	December 1937	December 1938
	Quantity	Value
Paper, Mbd. Rlbd.	lbs. 143,573	\$15,974
Pipe Covg. & Cement	lbs. 158,183	7,873
Textiles & Yarn	lbs. 12,476	3,428
Packing	lbs. 88,510	47,579
Brake Lining—		
Molded & Semi-M.	.....	60,877
Not Molded	lin. ft. 56,536	9,650
Clutch Facings—		
Molded & Semi-M. units	12,144	5,569
Woven	units 32,503	6,606
Magnesia & Mfrs. of	lbs. 256,411	27,415
Asbestos Roofing	sqs. 1,937	8,153
Other Manufactures	lbs. 155,734	18,415

### *Imports and Exports by United Kingdom:*

#### *Imports of Raw Material.*

	December 1937	December 1938
	Tons (2240 lbs.)	Value (2240 lbs.)
Africa (Rhodesia)	2,031	£ 48,926
Africa (Br. S.)	1,478	27,867
Australia	23	1,758
Canada	2,731	40,718
Cyprus	55	909
Finland	5	40
Italy	4	278
Netherlands	.....	11
Soviet Russia	15	668
U. S. of America	2	11
	6,344	£121,186
		3,847
		£79,692

#### *Imports of Asbestos Manufactures:*

December 1938	59,699 cwt.	valued at £19,306
December 1937	38,643 cwt.	valued at £12,102

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"ASBESTOS"

**ASBESTOS  
ORES - MINERALS**

Import · Transit · Export

"Tropag" Asbest & Erzimport

Oscar H. Ritter — K.G.

Hamburg

Alsterdamm 7

**PURE WHITE**

**DOLOMITE MARBLE**

from our own Quarry, ground or pulverized to specification.

We specialize in grades for white asbestos  
shingles, wall boards and asbestos cements.

**UNIVERSAL MARBLE PRODUCTS CORP.**

THORNWOOD, N. Y.

**RAW ASBESTOS**

**N. V. NEDERLANDSCHE ASBEST MY**

P. O. BOX 803

ROTTERDAM (Holland)

*Stocks at*

Hamburg

Rotterdam

**ASBESTOS**

RAW FOR ALL USES

PROCESSED & MANUFACTURED IN U.S.A.

**"ASBESTOS"**

*Exports Asbestos Mfrs. (from United Kingdom):*

	December 1937		December 1938	
	Cwts.	Value	Cwts.	Value
To Eire (Irish Free State)	2,508	£ 3,058	1,534	£ 1,894
British India	12,578	14,847	5,460	10,014
Australia	820	5,698	1,351	5,793
Other Br. Countries	33,981	35,186	31,538	30,316
Netherlands	1,087	4,567	962	5,343
Belgium	312	2,845	816	2,572
France	293	2,345	156	2,154
Italy	149	1,135	119	1,722
Other For. Countries	15,276	32,725	11,220	34,001
	67,004	£102,406	53,156	£93,809

**Exports of Raw Asbestos from Canada**

(Figures by Dominion Bureau of Statistics)

	December 1937		December 1938	
	Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	1,120	\$ 75,340	994	\$ 56,112
United States	8,887	524,926	5,508	384,789
Australia	577	28,313	433	25,556
Belgium	2,204	116,355	1,320	96,759
Czechoslovakia			133	13,620
France	2,421	145,965	545	40,114
Germany	746	47,144	2,956	275,664
Italy	837	56,453	539	37,516
Japan	1,762	70,316	2,242	135,716
Latvia			1	71
Netherlands	96	3,604	141	7,290
Poland			59	8,215
Sweden	228	13,982	320	21,174
	18,878	\$1,082,398	15,196	\$1,102,596
<i>Sand and Waste</i>				
United Kingdom	259	4,402	66	1,334
United States	9,391	145,262	10,044	192,951
Australia	10	220		
Newfoundland			5	171
Belgium	1,200	19,975		
Czechoslovakia			27	660
France	295	5,725	120	3,080
Germany			963	25,237
Netherlands	252	4,367	110	2,640
Poland			100	2,400
Puerto Rico			30	420
	11,407	\$ 179,951	11,465	\$ 228,893
<i>Grand Total</i>	30,285	\$1,262,349	26,661	\$1,331,489

"ASBESTOS"

Exports of Raw Asbestos from South Africa

	Oct. 1937		Oct. 1938	
	Tons (2000 lbs.)	Value £	Tons (2000 lbs.)	Value £ 240
Algeria			14	
Australia	184	2,407	164	2,648
Belgium	60	1,060		
Canada	26	421		
Chili	30	373		
France	118	2,450	162	3,578
Germany	270	6,926	121	3,065
Netherlands	70	708		
India	43	263	200	2,994
Italy	42	854	49	710
Japan	65	553	437	8,872
Rhodesia (Southern)	1	25		
Sweden			5	125
United Kingdom	989	14,739	986	16,644
United States	255	5,738	504	11,191
Other Countries			23	715
	2,153	£36,517	2,665	£50,782

Russia

Exports of Raw Asbestos for the first six months of 1938 totalled 5,156 metric tons (5,683 short tons) compared with 11,923 metric tons (13,143 short tons) in the first six months of 1937, these figures being given in Commerce Reports, published by the U. S. Department of Commerce on October 22nd.

**Eighteen Employees** of the General Electric Company were recently accorded the company's highest honor, the Charles A. Coffin award—which consists of a framed certificate and a cash honorarium—the award being given to those making suggestions for improvement of products and saving in manufacturing or other costs. The honor is open to any employee; among the eighteen was a millwright whose 127 suggestions resulted in 78 improvements in manufacturing methods in the refrigerating department, an engineer who developed a revolutionary process of annealing malleable iron, and a general foreman whose ideas lowered the cost of making washing machine motors in 1938 by \$40,000.

**WANTED**

Machine to corrugate Asbestos Paper and a machine to wind Asbestos Covering. Write full details, price, etc., Box 3AA-B, "ASBESTOS", 16th Fl., Inquirer Bldg., Philadelphia, Pa.

## "ASBESTOS"

### SUMMARY FOR THE YEAR—U. S. A.

#### Imports into U. S. A.

(Compiled from statistics published monthly by U. S. Dept. of Commerce)

#### Unmanufactured Asbestos—By Countries

	Year 1937 Tons (2240 lbs.)	Year 1938 Tons (2240 lbs.)
Austria .....	.....	3
Australia .....	.....	19
Africa (Br. S.) .....	10,131	5,734
Canada .....	246,437	148,277
Cyprus .....	7,258	5
Finland .....	79	79
France .....	109	.....
Italy .....	883	1,401
U. S. S. R. (Russia) .....	9,119	4,701
United Kingdom .....	259	39
	274,275	160,258
Value .....	\$10,569,762	\$36,160,592

#### Manufactured Asbestos—By Countries

	Year 1937 Pounds	Year 1938 Pounds
Austria .....	20,224	5,653
Belgium .....	1,616,618	1,619,871
Canada .....	440	3,026
France .....	144	65,821
Germany .....	4,997	15,972
Italy .....	4,844	.....
United Kingdom .....	108,570	42,548
	1,755,837	1,752,891
Value .....	\$ 84,325	\$ 56,041
Value Other Manufactures (not classified) .....	1,656	3,430
Total Value Imports .....	\$ 85,981	\$ 59,471

#### Manufactured Asbestos—By Materials

	Year 1937 Pounds	Year 1938 Pounds
Yarn		
Germany .....	2,827	740
France .....	74	.....
United Kingdom .....	51,998	24,136

"ASBESTOS"

*Woven Fabrics*

Canada .....	.....	36
France .....	70	881
Germany .....	420	678
United Kingdom .....	19,637	7,682

*Packing*

Austria .....	22,502	5,653
Canada .....	440	251
Germany .....	1,750	14,554
Italy .....	4,844	.....
United Kingdom .....	36,940	10,730

*Shingles*

Belgium .....	1,614,340	1,619,871
Canada .....	.....	400
France .....	.....	64,940

*Pipe and Boiler Covering*

Canada .....	.....	2,339
	1,755,837	1,752,891

**Exports from U. S. A.**

*Exports of unmanufactured asbestos* during the year 1938 amounted to 2,482 tons, valued at \$288,617; compared with 2,682 tons, valued at \$253,734 for the year 1937.

	Year 1937			
	Quantity	Value	Quantity	Value
Paper, Mldb. Rlbd. lbs.	1,737,951	\$183,557	1,449,481	\$100,034
Pipe Covg. & Cement lbs.	4,767,787	197,000	2,286,421	128,666
Textiles & Yarn lbs.	165,299	43,907	179,854	52,168
Packing lbs.	1,358,723	745,491	950,401	559,381
Brake Lining—				
Molded & Semi-M .....	722,075	.....	608,970	
Not Molded lin. ft.	1,633,558	250,955	923,672	176,765
Clutch Facings—				
Molded & Semi-M. units	252,742	92,999	220,573	85,279
Woven units	247,128	47,712	227,548	48,930
Magnesia & Mfrs. lbs.	3,133,918	272,917	3,202,899	254,790
Asbestos Roofing sqs.	37,026	166,312	83,080	225,987
Other Manufactures lbs.	3,777,366	324,100	3,186,245	293,272

**NATIONAL TRADE - MARK COMPANY**

**TRADE - MARK SPECIALISTS**

MUNSEY BUILDING  
WASHINGTON, D. C.

**"ASBESTOS"**

**SUMMARY FOR THE YEAR—UNITED KINGDOM**

*Imports of Raw Material.*

	Year 1937		Year 1938	
	Tons (2240 lbs.)	Value	Tons (2240 lbs.)	Value
Africa (Rhodesia) .....	20,651	£479,663	15,975	£ 428,543
Africa (Br. S.) .....	12,761	208,904	9,583	251,302
Africa (Port. E.) .....	1	46	860	19,704
Algeria .....				3
Australia .....	78	3,525	369	19,723
Austria .....		2		.....
Br. India .....		1		.....
Canada .....	18,722	244,521	22,426	329,761
Cyprus .....	857	8,925	1,929	37,213
Denmark .....	1	16	89	1,507
Finland .....	166	1,110	206	1,454
Germany .....	1	49	15	284
Italy .....	92	4,589	79	4,618
Netherlands .....	428	19,299	147	5,213
New Zealand .....	10	28	.....	.....
U. S. S. R. (Russia) .....	1,804	28,917	2,118	36,864
Straits Settlements .....	4	118	.....	.....
Switzerland .....	1	58	.....	.....
U. S. of America .....	8	51	24	898
Venezuela .....				2
	55,588	£999,822	53,820	£1,137,089

*Imports of Asbestos Manufactures:*

Year 1938 .....	508,991 cwt.s. valued at £180,270
Year 1937 .....	574,999 cwt.s. valued at £196,375

*Exports of Asbestos Manufactures:*

	Year 1937		Year 1938	
	Cwts.	Value	Cwts.	Value
To Eire (Irish Free State) .....	34,558	£ 35,084	28,909	£ 33,978
British India .....	75,370	120,545	96,062	121,313
Australia .....	14,038	79,267	14,540	81,694
Other Br. C'tr's .....	308,556	401,229	372,604	410,492
Netherlands .....	20,083	74,041	15,946	67,126
Belgium .....	10,396	60,274	7,920	37,618
France .....	4,502	31,390	3,709	20,227
Italy .....	3,299	36,761	1,839	26,050
Other For. C'tr's .....	174,429	446,501	174,863	429,061
	645,231	£1,285,092	716,392	£1,227,559

"ASBESTOS"

SUMMARY FOR THE YEAR—CANADA

*Exports of Raw Asbestos from Canada*

		Year 1937		Year 1938	
		Tons (2000 lbs.)	Value	Tons (2000 lbs.)	Value
United Kingdom	14,093	\$ 919,350	19,996	\$ 1,271,914	
United States	98,196	5,347,538	54,323	3,125,401	
Australia	3,042	150,919	6,358	402,361	
Belgium	15,743	926,061	10,576	684,535	
Brazil	8	1,600	6	347	
Br. India	90	4,500	95	5,350	
Chili	60	3,000	310	18,600	
China			900	36,000	
Czecho-Slovakia			3,888	285,609	
Denmark			60	7,800	
Eire			45	2,430	
France	9,376	645,228	8,590	579,730	
Germany	17,699	1,361,571	25,980	2,582,351	
Italy	2,683	175,378	4,111	301,857	
Japan	33,934	1,344,561	27,089	1,334,821	
Latvia			1	71	
Mexico			4	188	
Netherlands	522	20,741	470	20,693	
New Zealand			120	7,920	
Poland	238	21,795	916	78,999	
Portugal	59	4,113	6	206	
Siam				24	
Sweden	768	46,547	1,900	125,168	
	196,511	\$10,972,902	165,744	\$10,872,375	
<i>Sand and Waste</i>					
United Kingdom	6,357	\$ 119,605	4,936	\$ 103,453	
United States	176,708	2,913,183	112,544	2,003,429	
Argentina	15	165	30	390	
Australia	15	345	22	528	
Belgium	3,009	52,722	382	7,569	
Brazil	25	280	15	195	
Br. India	120	1,500	150	2,175	
Columbia	38	413	15	180	
Cuba	30	360	30	390	
Czechoslovakia			114	2,549	
France	857	16,757	855	18,950	
Germany	5,205	95,718	3,071	75,035	
Japan	1,017	21,487	348	9,208	
Mexico	30	360			
Netherlands	451	8,118	225	4,849	
Newfoundland	2	75	6	185	
Norway	6	74			

## "ASBESTOS"

### SUMMARY FOR THE YEAR—CANADA (Cont'd) *Sand and Waste—Contd.*

	Year Tons (2000 lbs.)	1937 Value	Year Tons (2000 lbs.)	1938 Value
Poland .....	346	7,618	300	7,200
Portugal .....	22	600	.....	.....
Puerto Rico .....	30	330	60	\$10
Sweden .....	184	2,054	40	656
Venezuela .....	63	693	.....	.....
	194,530	\$ 3,242,457	123,143	\$ 2,237,751
<i>Grand Total</i> .....	<i>391,041</i>	<i>\$14,215,359</i>	<i>288,887</i>	<i>\$13,110,126</i>

### ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness.)

February 1939

	Par	Low	High	Last
Armstrong Cork Co. ....	np	47	51½	48½
Asbestos Corp. (Com.) Old .....	np	91	106	102
Asbestos Corp. (Com.) New .....	np	23½	27	26
Celotex (Com.) .....	np	15%	17½	17
Celotex (Pfd.) .....	100	64	72	71
Certainteed (Com.) .....	1	9%	11½	11½
Certainteed (Pfd.) .....	100	38½	43½	42½
Flintkote (Com.) .....	np	26%	29%	29%
Johns-Manville (Com.) .....	np	88%	96	95½
Johns-Manville (Pfd.) .....	100	128	130	130
Raybestos Manhattan (Com.) .....	np	17½	20	19½
Rubberoid (Com.) .....	np	27½	32	29½
Thermoid (Com.) .....	1	3%	4½	4½
Thermoid (Pfd.) .....	10	17	20	19½
U. S. Gypsum (Com.) .....	20	91	101½	99
U. S. Gypsum (Pfd.) .....	100	176	177	177

### AUTOMOBILE PRODUCTION

Automobile Production as reported by the U. S. Bureau of the Census for January 1939 showed a total of 353,946 (this covering 339,152 vehicles in the U. S. A. and 14,794 in Canada). In January 1938 the total was 227,152 (209,528 of which were produced in the U. S. A. and 17,624 in Canada).

The December 1938 total was 407,016. — 388,346 in the United States and 18,670 in Canada.

### WANTED

Asbestos Mining Engineer, — one who can interest large capital for operation of a rich asbestos deposit. Unusual possibilities for returns. Address Box 3R-C, "ASBESTOS", 16th Fl., Inquirer Bldg., Phila., Pa.

# THE NEWS OF THE INDUSTRY

## BIRTHDAYS.

- W. B. Harris, Vice President, The Ruberoid Co., New York City, March 17.  
Herbert E. Sunbury, Vice President, Allbestos Corp., Philadelphia, Pa., March 21.  
Wm. F. Tyson, Vice President & Asst. Treas., American Asbestos Co., Norristown, Pa., March 23.  
William G. Kuehn, President, Westchester Asbestos Corp., White Plains, N. Y., March 25.  
F. V. Smith, Director & Secretary, Hodgson & Hodgson, Ltd., Carrington, Nottingham, England, March 29.  
Glendon A. Richards, President, Richards Mfg. Co., Grand Rapids, Mich., April 1.  
George Kanzler, President, Smith & Kanzler, Inc., Elizabeth, N. J., April 4.  
G. M. Williams, President, Russell Mfg. Co., Middletown, Conn., April 6.  
J. M. Weaver, General Asbestos & Rubber Division, North Charleston, S. C., April 14.

Congratulations and best wishes are extended to these gentlemen on the occasion of their birthdays.

**RAYBESTOS-MANHATTAN, INC.** report net income in 1938 of \$321,712.89, or 51c per share after providing \$754,130.04 for depreciation, and \$77,620.92 for Federal and State Income Taxes.

The Company's total assets at December 31, 1938 amounted to \$17,530,046.54 including \$8,803,876.58 of current assets equivalent to nearly ten times the current liabilities. There were no banking, or funded debt, or other capital obligations outstanding.

The Directors at their meeting on February 15, declared a dividend of 25c per share, payable March 15, 1939, to stockholders of record at the close of business February 28, 1939.

**CELOTEX CORPORATION.** David G. Ong, assistant to the President, was elected a director at the recent annual meeting. He was formerly president of the United States Leather Company, New York.

David P. Livingston has been appointed manager of a newly created Dealers' Sales Service Department of The Celotex Corporation. Mr. Livingston brings seventeen years of successful merchandising experience to his new position. For the past seven years he has appeared before building trade conventions thruout the middle west, giving talks on merchandising helps for dealers.

## "ASBESTOS"

**FULGURIT-WERKE ADOLF OESTERHELD**, Eichriede-Wunsdorf, Hanover, Germany have recently published an attractive folder describing and illustrating their Asbestos-Cement shingles, flat and corrugated sheets.

**A.S.H. & V. E.** The Semi-Annual Meeting of the American Society of Heating & Ventilating Engineers will be held July 4 to 6 at Mackinac Island, Mich., the Michigan Chapter of Detroit and the Western Michigan Chapter of Grand Rapids, acting as hosts. Full information respecting hotel rates and transportation may be obtained from the New York headquarters of the Society at 51 Madison Avenue.

**THE RUBEROID CO.** in its 52nd annual report shows net profit for 1938, after provision for depreciation and all direct taxes, of \$515,472, equal to \$1.30 per share. Net profit of \$750,509, equal to \$1.89 per share, was reported in 1937.

The report for the first time has been distributed both to stockholders and to all employees, and contains in addition to the usual financial statements, much additional information about the Ruberoid organization and business.

Net sales of The Ruberoid Company in 1938 aggregated \$13,688,983, compared with \$16,619,241 in 1937.

A year-end dividend of 60c per share was paid on December 20. Altho no dividends were declared in the first three quarters of 1938, due to prevailing unsettled conditions, this year-end dividend was equivalent to the quarterly rate of 15c per share previously maintained.

The report points out that a total of \$354,131 was paid in direct taxes for the year—Federal, state and local—equivalent to 69% of the company's net profit, 1½ times the amount paid to stockholders in dividends, and \$141.65 for every man and woman in the company's employ.

A chart in the report shows that each Ruberoid "sales dollar" received in 1938 was utilized in the operation of the business in the following manner:

57c for raw materials
25c for wages and salaries (not including executive salaries)
6½c for selling, advertising, administrative and misc. expenses
4c for depreciation
2½c for taxes
1½c for dividends
1¼c for executive salaries
2c reinvested in the business

Ruberoid plants now number eleven.

**A. S. T. M. Standards.** The American Society for Testing Materials has recently published a new edition of its Index to Standards and Tentative Standards, this giving brief information on all of the 870 standards as of January 1, 1939. The Index is of service to anyone wishing to ascertain whether the Society has issued standard specifications, test methods, or definitions covering a particular engineering material or subject and it is of help

"ASBESTOS"

## • BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD

YARNS

ROVINGS

POWDER

CLOTHS

PROCESSED FIBRES

Unexcelled for use in

ASBESTOS CEMENT PIPES

## • AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler

85% Magnesia insulation

**The CAPE ASBESTOS CO.** Limited  
Morley House, 28-30 Holborn Viaduct, London, E.C.I.  
FACTORY, BARKING, ESSEX

United States Sales Agent:

ARNOLD W. KOEHLER

415 LEXINGTON AVE.

NEW YORK CITY

TELEPHONE—MURRAY HILL 2-8287

## "ASBESTOS"

in locating the standards in the volumes where they appear. Copies of the book will be furnished without charge upon written request to A.S.T.M. Headquarters, 260 S. Broad St., Philadelphia.

**JOHNS-MANVILLE** in annual report issued March 1st, covering the year ending December 31, 1938, report a net profit for that year of \$1,455,302, compared with \$5,451,844 in 1937.

Regular dividend of 7% was paid on Preferred Stock, amounting to \$525,000. On the common stock dividends amounting to \$425,000 on the 850 shares, were paid, or 50c a share.

Consolidated Income Account for 1938, compared with 1937, follows:

	Year Ended Dec. 31, 1938	Year Ended Dec. 31, 1937
Sales, net of returns and allowances	\$46,890,147.92	\$60,173,391.63
Less: Mfg. Cost, Selling and Administrative Expenses	43,014,816.83	51,678,855.34
	<hr/>	<hr/>
Less: Depre. and Depletion and obsolescence of mineral properties	3,875,331.09	8,494,536.29
	<hr/>	<hr/>
Less: Provision for Income, excess-profits taxes and surtax on undistributed profits	2,002,886.01	2,178,990.98
	<hr/>	<hr/>
Less: Provision for Income, excess-profits taxes and surtax on undistributed profits	1,872,445.08	6,315,545.31
	<hr/>	<hr/>
Net income before dividends received from unconsolidated subsidiary	417,142.77	1,082,451.48
Dividends received from J-M Credit Corp.	1,455,302.31	5,233,093.83
	<hr/>	<hr/>
Net Income	1,455,302.31	5,451,843.83
Dividends paid on preferred stock	525,000.00	525,000.00
	<hr/>	<hr/>
Net Income available for Common Stock	930,302.31	4,926,843.83
Dividends paid on common stock	425,000.00	4,037,500.00
	<hr/>	<hr/>

Balance to earned surplus \$ 505,302.31 \$ 889,343.83

The balance sheet as of Dec. 31, 1938 shows cash of \$8,627,787.07; compared with cash on hand Dec. 31, 1937 of \$8,670,758.49.

The printed report issued to stockholders is graphically illustrated and also contains a pictorial supplement depicting employees' activities, uses of Johns-Manville products, and other scenes of interest to J-M stockholders.

**ASBESTOS CORPORATION LIMITED**, have recently published their Thirteenth Annual Report for year ending December 31, 1938. Profit for the year after charging all expenses including bond interest and provision for taxes of \$303,000 but before depreciation and depletion amounted to \$1,942,133.68. For this amount there has been deducted \$403,377.82 for depreciation and depletion and the sum of \$350,000 was transferred into a General Reserve Account. After making these deductions there remained a balance of \$1,188,755.86. During the year regular and extra dividends in the aggregate amount of \$747,900 were declared.

The report includes a brief review of the year, of which the following facts will be of interest: Four mines (King, Beaver, Vimy and British Canadian) operated continuously thruout the year. The sales of fibre during 1938 in tonnage amounted to 81.1%

## "ASBESTOS"

of the sales of 1937, but because the volume was greater in the higher priced fibres, the value of the year's sales was 103.7% of those of the previous year. The production required to fill orders in the longer and more profitable grades caused an over production in the shorter, the total increase of asbestos in the inventory amounting to \$430,738.63. (The various grades have been recorded in the inventory at the same standard costs as in former years.)

The development program at the King Mine, mentioned in the annual report for 1937, is now approaching completion, and the new plant is scheduled to be in operation by June 1, 1939.

At King, Beaver, British Canadian and Vimy a total of 20,879 feet of diamond drilling was done, indicating additional ore in reserve at each property. The tonnage of rock milled at the four mines showed an increase of 6.4% over 1937.

At the King Mine the sinking of a vertical shaft which was begun in 1937 was completed to a depth of 1153 feet.

Balance sheet figures for the year 1938 are given below (for 1937 figures see page 38 of March 1938 "ASBESTOS"):

ASSETS	Year Ended Dec. 31, 1938
Government Bonds and Treasury Bills	\$ 1,099,515.93
Inventory (Asbestos \$923,354.50)	1,123,989.81
Accounts and Bills Receivable, less reserve for bad debts	374,882.38
Cash	126,925.58
Trustee Account (Cash)	1,067.95
Deferred Charges	225,188.73
Properties (less reserves for depreciation & depletion)	3,514,173.03
	<hr/>
	\$ 6,466,043.41
LIABILITIES	
Accounts and Bills Payable	646,847.97
Accrued Liabilities	3,580.78
Provision for Taxes	312,731.48
First Mortgage Bonds	500,000.00
General Reserve	650,000.00
Capital Stock	2,909,142.00
Surplus (Distributable and Earned)	1,443,741.18
	<hr/>
	\$ 6,466,043.41

### PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

**Woven Friction Material.** No. 2,138,876. Granted on December 5, 1938, to Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Application January 30, 1937. Serial No. 123,198.

The manufacture of friction materials for use as brake linings, clutch facings and the like, wherein asbestos yarns are woven into a tape, the tape impregnated with a saturant and cured to convert the saturant to a hardened binder, the improvement which comprises weaving asbestos yarns into a tape having well defined openings between the yarns of such size as to freely pass filler material carried in a liquid saturant and having a width substantially greater than the width of the friction material desired, soaking the said tape with a filler material car-

## "ASBESTOS"

ried in a liquid saturant in an amount greater by weight than the original weight of the tape, decreasing the width of the tape to approximately the desired finished width and curing the filled tape to set the saturant and bond the asbestos yarns and filler material.

**Insulating Board.** No. 2,140,195. Granted on December 13, 1938 to Clements Batcheller, Portsmouth, N. H. Application March 16, 1934. Serial No. 715,937.

Acoustical and resistant composition fibre insulating board; making a low density molded porous product adapted for use as a heat insulating and sound absorbing medium which comprises pre-coating vegetable fibres with an asphalt emulsion, intermixing bentonite therewith in a quantity at least sufficient to coat the asphalt covered fibres, intermixing mineral fibres with the coated vegetable fibres, intermixing therewith additional quantities of bentonite and asphalt emulsion and water sufficient to form a plastic composition and thereafter adding and intermixing a sufficient amount of an aerated mixture of asphalt emulsion and size to reduce the composition to a light fluffy consistency.

**Construction Element.** No. 2,140,709. Granted on December 20, 1938, to Karl Wilhelm Mauser, Cologne-Ehrenfeld, Germany, assignor to Mauser Kommandit-Gesellschaft, Cologne-Ehrenfeld, Germany. Application Feb. 27, 1936. Serial No. 66,101. In Germany, February 28, 1935.

A sound and heat insulating construction element consisting of a plurality of spaced metal plates, rails of corrugated asbestos material for connecting and spacing the metal plates, and guides shaped to fit the rails, between which the rails can slide, arranged on the inner sides of the metal plates.

**Corner Protecting Beading.** No. 2,144,116. Granted on January 17, 1939 to Walter E. Miller, Philadelphia, assignor to Philip Carey Mfg. Co. Application Dec. 2, 1936. Serial No. 113,858.

In combination with a foundation member having a corner edge, a flexible beading consisting of a single flexible wire applied to the corner edge and means for securing the beading spaced from the foundation at no greater distance than the cross section of said means.

**Friction Facings.** No. 2,144,234. Granted on January 17, 1939 to Alvin C. Teetzel, Philadelphia, assignor to Ferodo & Asbestos, Inc., New Brunswick, N. J. Application November 9, 1936. Serial No. 109,850.

The process of producing an annular friction facing comprising providing a single woven fabric strip with its ends cut on a bias, shaping said strip into generally cylindrical formation, permanently fastening the meeting edges of said ends so as to form a butt to butt joint, turning over the free edges of the strip in folded formation from each edge outwardly toward the center, and then further folding said turned over edges so that they lie in face to face relation, forming two identical pairs of folds in

## "ASBESTOS"

parallel planes, each pair on each side of a central plane being identically shaped and stressed, said material being provided with an impregnating thermo-setting liquid and pressing said strip in said folded formation and applying heat to harden said thermo-setting liquid.

**Roofing.** No. 2,144,678. Granted on January 24, 1939, to Frank P. Goldschmidt, Sr., Chicago, Ill., assignor to Ruberoid Co., New York City. Application Jan. 6, 1938. Serial No. 217,677.

A shingle strip having a plurality of shingle tabs along its lower edge, separated from each other by cut-outs and a plurality of spaced tabs along its upper edge, one tab being disposed over the middle of each shingle tab and one tab being disposed over each cut-out.

### TRADE MARKS

We have arranged with the National Trade-Mark Company, Munsey Building, Washington, D. C., to conduct this Department for our readers. The trade-marks have recently been passed for publication by the U. S. Patent Office and are in line for early registration unless opposition is filed.

An advance search without charge on any trade-mark our readers may contemplate adopting or registering has been arranged for. Write us, or send inquiry direct to the National Trade-Mark Company, mentioning our name.

**Red Clover.** (Picture of Clover). Serial No. 402,805. Vermont Asbestos Corporation, Hyde Park, Vt., and New York, N. Y.

Filed February 7, 1938 for Asbestos Fibre. Passed July 12, 1938.

**Smooth-surf.** Serial No. 405,928. Keasbey & Mattison Co., Ambler, Pa. Filed May 2, 1938, for roofing materials comprising asbestos roofing sold in rolled form. Passed September 6, 1938.

**Tilo.** Serial No. 405,745. Tilo Roofing Co., Inc., Stratford, Conn.

Filed April 26, 1938 for Paints for roofing and siding materials, particularly adapted for protecting and preserving exposed surfaces of asphalt, metallic and of asbestos nature. Passed Oct. 11, 1938.

**Flexite.** Serial No. 409,097. Johns-Manville Corp., New York City.

Filed July 30, 1938 for sheet material made from Portland Cement and Asbestos Fibres adapted for use as wallboards and construction of casings for dry ovens, furnaces and the like. Passed Oct. 11, 1938.

**K&M Trafford Tile** Asbestos Cement and design, Serial No. 406,554. Keasbey & Mattison Co., Ambler, Pa.

Filed May 20, 1938 for asbestos-cement boards, asbestos-cement sheets, lumber, tiles, roofing material; also composition of asbestos-cement building materials in flat, corrugated and sheet form. Passed January 3, 1938.

## THIS and THAT

**Wartime Tea** was kept hot by the use of an asbestos covered tank. Meaning that English Soldiers in the front line trenches were served their tea by means of asbestos covered tanks strapped to the soldier server's back. The tea server passed along the trench and the soldiers drew their hot tea from the tank thru a faucet at the bottom.

**N. Y. World's Fair** Some information has been received listing asbestos products used in the construction of buildings at the Fair, but there is still time to report others. As the names of companies furnishing the various materials will be published in the article which will appear in April "ASBESTOS", any in the Asbestos Industry who have furnished asbestos materials for "The World of Tomorrow" should write us promptly so that they will be properly mentioned in the article.

**Advertising Whiskey.** 15,000 square feet of asbestos paper were used in the preparation of the tubing for the giant sign advertising Schenley's whiskey which has recently been erected in Miami, Fla. 1498 white incandescent lamps, 2700 feet of luminous tubing and 3 miles of weatherproof wire were used in construction of the sign.

**Fibrous Amphibole.** We have an inquiry or two for a fibrous form of amphibole, preferably from deposits in Pennsylvania or surrounding states; but specimens from deposits farther away will also be welcomed.

**G. E.** Sales billed by the General Electric Company in 1938—\$259,484,000; in 1937—\$349,740,000, a decrease of 26%.

Net income in 1938—\$27,729,000 or 96c a share; in 1937—2.21 a share, a decrease of 56%.

Average number of employees in 1938—59,917; in 1937—75,212.

Stockholders on Dec. 31, 1938 numbered 208,580;—Dec. 31, 1937, 201,219.

Orders received the first two months of 1939—\$51,800,000; for the same period in 1938—\$41,300,000; an increase of 25%.



A recent article describes asbestos millboard as an "inexpensive, flakey asbestos paper"—the layman's idea of it.

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PACKING SALES WITH



They are quality packings, the line is comprehensive and complete, and prices are right. As a result of standardization by Ehret packing experts, dealer's stocks need not be large and special items are reduced to a minimum.

A packing manual which includes sections devoted to descriptions, recommendations and engineering data has been prepared by the Ehret Company to assist users of packings in selecting the proper type for a particular service. A copy of this effective sales aid will be sent to you on request.

**EHRET MAGNESIA MANUFACTURING CO.**  
VALLEY FORGE • PENNSYLVANIA

## DO YOU KNOW—

That in 1880, the earliest year of which there is record of production of Asbestos in Canada, 380 short tons were produced; in 1937, almost 60 years later, the production was over a thousand times that figure — 409,813 tons. . . .

That the first asbestos factory in Great Britain was founded by the Patent Asbestos Manufacture Co. Ltd., in 1871. . . .

That the first use made of blue asbestos was for the manufacture of asbestos yarn and cloth. . . .

That Marinite and Marine Sheathing, made by Johns-Manville, are included in the specifications for the new passenger liner "America". . . .



*(Send us interesting facts about your company for  
this "Do You Know" section)*

